



Solve Network Problems Faster and Lower OpEx with PacketPortal and Wireshark



PacketPortal™
ENABLED

Wireshark, the world's most popular protocol analyzer, can resolve the most complex and difficult-to-find network, data, VoIP, and quality-of-experience impacting issues. Now, breakthrough PacketPortal™ probing technology from Viavi Solutions™ extends those capabilities and lets operators see the network the way customers experience it.

PacketPortal provides immediate visibility and reach, right to the network edge. PacketPortal makes it possible for any optical transceiver in the network to analyze packets. Intelligent, PacketPortal-enabled SFP transceivers called SFProbes™ can be located anywhere in the network without affecting performance. They remotely examine packets at full line-rate speeds and then time-stamp, copy, and forward, via PacketPortal software, selected packets to centrally located analysis applications like the industry-leading Wireshark.

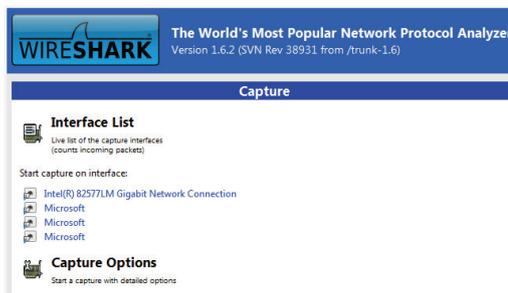
The combined solution unlocks network blind spots, letting users quickly troubleshoot network errors, delays, packet loss, and voice-quality issues before they become significant service interruptions. With PacketPortal and Wireshark, mean-time-to-repair (MTTR) is reduced from days to minutes, leading to better customer service, lower operational costs, and reduced churn despite increases in network complexity. Operators in a central location can remotely see any subscriber's IP traffic at the network edge, segment the problem, and quickly fix an issue—without ever deploying a technician.

Benefits

- Use existing infrastructure to isolate network data issues all the way to the network edge
- Reduce churn and lower OpEx: see what customers are experiencing without dispatching technicians
- Isolate and fix network issues dramatically faster
- Optimize the customer experience
- Eliminate the cost of external taps, SPAN ports, and costly overlay networks and appliances

Features

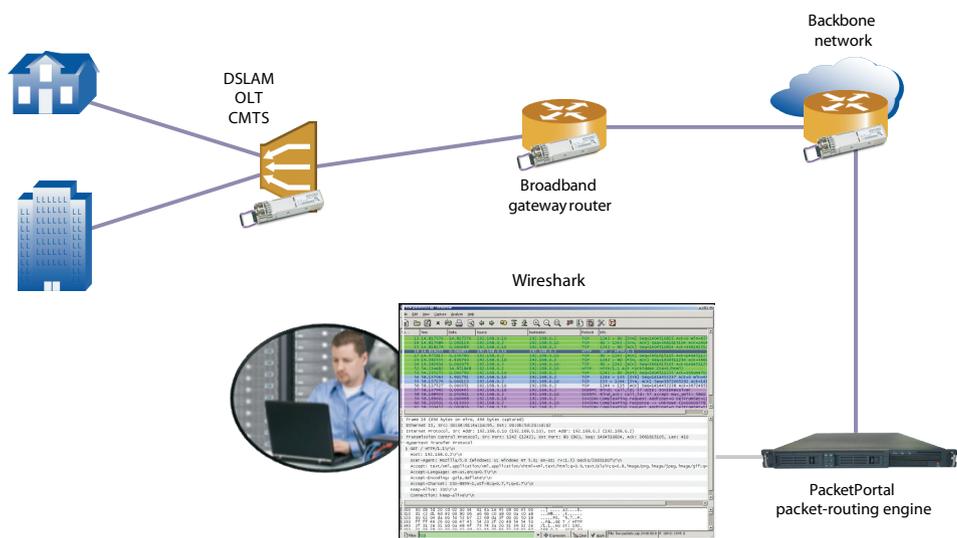
- Deep packet inspection of hundreds of protocols for both wireline and wireless networks
- Quick views of session analyses and statistics
- Remote views of IP network problems, connection statistics, protocol errors, HTTP failures, and Voice QoS issues at the network edge
- Performance and service profiling to see who is using network bandwidth
- Solutions for access and timestamp accuracy issues associated with traditional data-access methods



PacketPortal and Wireshark make it economically viable to access critical network information anywhere in your network:

- View any subscriber's network traffic instantly
- Dramatically reduce MTTR and minimize dispatches
- Eliminate the need to provision a monitor port, install a tap, or send out analysis equipment
- Cost-effectively validate problems at the edge
- Quickly isolate complex, multi-segment network issues
- Optimize tool utilization and resource productivity

With PacketPortal and Wireshark, users can deploy SFProbes at key network access points and selectively copy per-subscriber traffic to Wireshark. Costly analysis equipment, applications, and expert personnel can be centralized.



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